

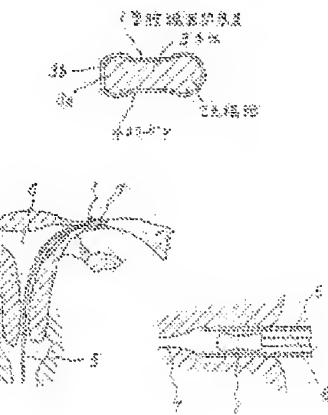
LUMINAL ORGAN CLOSURE JIG

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Abstract of JP 1113045 (A)

PURPOSE: To safely and certainly perform the closure of a luminal organ over a long period of time without exerting adverse effect on the luminal organ, by bonding and fixing collagen to the outer peripheral surface, which is closely brought into contact with the luminal organ, of a main body formed into a curved surface at the leading end and composed of ceramics having bio-compatibility.

CONSTITUTION: The leading end part 2 of a main body 3 composed of columnar ceramics having bio-compatibility is formed as a spherical part having a diameter slightly larger than that of the main body and the rear end part 3a is formed as a deformed spherical part having a planar part 3b crossing the longitudinal direction axis of the main body at a right angle. Then, collagen 4 is bonded and fixed to the entire surface of the main body. In order to close the isthmus tubae uterinae 7 for contraception treatment, this closure jig 1 is set to the interior of a catheter 5 at first and the leading end of the catheter is inserted in the isthmus tubae uterinae 7 and the planar part 3b of the rear end of the main body is pushed by an insert wire 8 through manual operation to push out the closure jig 1 into the isthmus tubae uterinae 7. The collagen 4 on the surface of the main body is closely bonded to the inner wall cell of the isthmus tubae uterinae 7 to be unified therewith within a short time. By this method, the closure jig can be stayed and fixed in a luminal organ without exerting adverse effect on said organ and the luminal organ can be closed safely and certainly for a long period of time.



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